

**APPENDIX A**  
**Clean Version of Pending Elected Claims 11, 14 and 58-60**

11. (currently amended) A method for muting expression of a target gene in a cultured population of animal cells, the method comprising:

(a) screening to identify a mutating DNA composition having a sequence that is homologous to a sequence in the target gene, the DNA composition being double stranded, wherein screening to identify comprises the steps of:

(i) providing a plurality of DNA compositions that may include regulatory elements and up to the entire sequence of the target gene;

(ii) identifying among the plurality of compositions the mutating DNA composition, homologous to portions of the target gene, that mutes at the level of post-transcription;

(b) delivering the mutating DNA composition into the population of cells; and

(c) muting expression of the target gene wherein such muting is independent of integration or level of expression of the delivered DNA composition.

14. (currently amended) A method according to claim 11, wherein the target gene is selected from the group consisting of a collagen, tumor necrosis factor (TNF), *tat*, and an immunoglobulin gene.

58. (currently amended) A method according to claim 14, wherein the target gene is a collagen gene.

59. (currently amended) A method according to claim 58, wherein the target gene is pro- $\alpha$ 1(I) collagen.

60. (currently amended) A method according to claim 14, wherein the cultured population of animal cells is a population of mammalian cells.